

Day : Thursday

Date: 1/2/2003

Time: 10:16:25

 **PALM INTRANET****Inventor Information for 09/988941**

Inventor Name	City	State/Country
BONANNI, LUCIANO B.	DIX HILLS	NEW YORK
TENORE, ANTHONY	YONKERS	NEW YORK

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<u>L13</u>	L11 and l5	0	<u>L13</u>
<u>L12</u>	L11 and l5	0	<u>L12</u>
<u>L11</u>	L10 not l4	14	<u>L11</u>
<u>L10</u>	l9 and (ferromagnet\$ or ferro adj magnet\$)	19	<u>L10</u>
<u>L9</u>	l7 and l1	42	<u>L9</u>
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<u>L6</u>	L5 and l4	0	<u>L6</u>
<u>L5</u>	laminat\$ near2 steel\$	3195	<u>L5</u>
<u>L4</u>	L3 and l1	6	<u>L4</u>
<u>L3</u>	(ferro adj magnet\$ Or ferromagnet\$)near2(structure\$ Or frame\$ Or support\$)	2004	<u>L3</u>
<u>L2</u>	(ferro adj magnet\$ Or ferromagnet\$)near2(structure\$ Or frame\$ Or support\$)	2004	<u>L2</u>
<u>L1</u>	(4766378 5754085 5774034 6014070 5384538 5436607 5627471 5543766 6172588 4553122 5623241 5664298 5747952 6147495 4359706 4515129 4517514 4623811 4882560 4938190 4943774 4968937 5216723 5264706 5283544 5311028 5378988 5393984 5483077 5519372 5603575 5675305 5675256 5689190 5719451 5722777 5798680 5798643 5874882 5874880 5883558 5917395 5923169 5936502 5942962 5961540 5994991 5999075 6016439 6029081).pn.	50	<u>L1</u>

END OF SEARCH HISTORY

1/9,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014833651 \*\*Image available\*\*  
WPI Acc No: 2002-654357/200270  
XRPX Acc No: N02-516923

MRI scan pulse sequence parameters control for surgery, involves changing pulse sequence parameter values corresponding to slice orientation of scanned image along specified planes, in response to received control signal

Patent Assignee: FONAR CORP (FONA-N)  
Inventor: BONANNI L B ; DAMADIAN J  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6400157	B1	20020604	US 9766535	A	19971126	200270 B
			US 98200267	A	19981125	

Priority Applications (No Type Date): US 9766535 P 19971126; US 98200267 A 19981125

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6400157	B1	20	G01V-003/00	Provisional application US 9766535

Abstract (Basic): US 6400157 B1

NOVELTY - A control signal is received by an MRI system (10) from an input device (14a) to control orientation of a slice in scanned image of a patient along sagittal, axial or coronal planes. Subsequent control signals are received from the input device, to change the value of parameters of a pulse sequence corresponding to the slice of a scanned image oriented along specific plane.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Magnetic resonance imaging scan pulse sequence parameters value control method;
- (2) Magnetic resonance imaging method;
- (3) Magnetic resonance imaging system;
- (4) Medical procedure execution method.

USE - For controlling parameters of a pulse sequence of a MRI scan of a patient during surgery and for diagnosing abnormal biological tissue e.g. cancerous tissue.

ADVANTAGE - Parameters of a pulse sequence of a MR image are varied rapidly to enable quicker implementation of scanning procedure based on updated pulse sequence.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of magnetic resonance imaging system.

MRI system (10)  
Input device (14a)  
pp; 20 DwgNo 1/6

Title Terms: MRI; SCAN; PULSE; SEQUENCE; PARAMETER; CONTROL; SURGICAL; CHANGE; PULSE; SEQUENCE; PARAMETER; VALUE; CORRESPOND; SLICE; ORIENT; SCAN; IMAGE; SPECIFIED; PLANE; RESPOND; RECEIVE; CONTROL; SIGNAL

Derwent Class: S01; S03; S05

International Patent Class (Main): G01V-003/00

File Segment: EPI

Manual Codes (EPI/S-X): S01-E02A2; S03-C02; S03-E07A; S05-D02B1

Inventor: BONANNI L B ...  
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Set	Items	Description
S1	1	AU=(BONANNI L? OR BONANNI, L? OR TENORE A? OR TENORE, A?)
? show files		
File 347:JAPIO Oct 1976-2002/Aug(Updated 021203)		
		(c) 2002 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2002/Dec W03		
		(c) 2002 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20021226,UT=20021219		
		(c) 2002 WIPO/Univentio
File 350:Derwent WPIX 1963-2002/UD,UM &UP=200282		
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Set	Items	Description
S1	1572800	MRI OR MAGNETIC(W) RESONANC? OR NMR OR FTNMR OR FTMRI OR MAGNETORESONANCE OR PMR OR PROTON(W) MAGNETIC(W) RESONAN? OR MR ( ) (IMAGE OR IMAGING) OR MRA OR MRS
S2	5356	IC=(G01R-003 OR G01N-024/08 OR G01V-003/175 OR G01V-003/00 )
S3	4685	MC=(S01-E02A2 OR S03-E07A OR S01-E02A8A OR S01-E02A1 OR S03-E07C OR S05-D02B1 OR S03-C02F1)
S4	4562	CC=(A87601 OR B7510N)
S5	1574791	S1:S4
S6	9414	(FERRO()MAGNET? OR FERROMAGNET?) (2N) (STRUCTURE? OR FRAME? - OR SUPPORT?)
S7	10543	POLE?()PIECE?
S8	473	PATIENT(3N)GAP?
S9	5829	LAMINAT?(2N)STEEL?
S10	0	S5 AND S6 AND S7 AND S8 AND S9
S11	0	S5 AND S6 AND S7 AND S9
S12	0	S5 AND S6 AND S9
S13	274	S5 AND S6
S14	134	S5(10N)S6
S15	123	S5(6N)S6
S16	105	S5(3N)S6
S17	101	S16 AND PY<=2001
S18	0	S17 AND STEEL(2N)LAYER?
S19	96	RD S17 (unique items)
S20	0	S13 AND STEEL(2N)LAYER?
S21	11	S5 AND STEEL(2N)LAYER?
S22	0	S21 AND (FERRO()MAGNET? OR FERROMAGNET?)
S23	3	S19 AND STEEL?
S24	0	S1 AND S6 AND S9
S25	0	S6 AND S9
S26	176	S6 AND STEEL?
S27	6	S26 AND S5
S28	6	RD (unique items)
S29	3	S28 NOT S23

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File 155:MEDLINE(R) 1966-2002/Nov W4  
File 2:INSPEC 1969-2002/Dec W3  
(c) 2002 Institution of Electrical Engineers  
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(c) 2001 Australian Mineral Foundation Inc  
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(c) 2002 The HW Wilson Co.  
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(c) 2002 Geosystems  
File 34:SciSearch(R) Cited Ref Sci 1990-2002/Dec W5  
(c) 2002 Inst for Sci Info

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
    (c) 1998 Inst for Sci Info  
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File 350:Derwent WPIX 1963-2002/UD,UM &UP=200282  
    (c) 2002 Thomson Derwent  
File 347:JAPIO Oct 1976-2002/Aug(Updated 021203)  
    (c) 2002 JPO & JAPIO  
File 305:Analytical Abstracts 1980-2002/Dec W2  
    (c) 2002 Royal Soc Chemistry

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Set	Items	Description
S1	30	CG='US 6023165'
S2	0	S1 AND ((FERRO()MAGNET? OR FERROMAGNET?) (2N) (STRUCTURE? OR - FRAME? OR SUPPORT?))
S3	29	S1 AND (MRI OR MAGNETIC(W) RESONANC? OR NMR OR FTNMR OR FTM- RI OR MAGNETORESONANCE OR PMR OR PROTON(W) MAGNETIC(W) RESONAN? OR MR( ) (IMAGE OR IMAGING) OR MRA OR MRS)
S4	0	S3 AND ((FERRO()MAGNET? OR FERROMAGNET?) (2N) (STRUCTURE? OR FRAME? OR SUPPORT?))
S5	1	S3 AND STEEL?
S6	28	S3 NOT S5
S7	5	CT='US 6023165'
S8	0	S7 AND ((FERRO()MAGNET? OR FERROMAGNET?) (2N) (STRUCTURE? OR FRAME? OR SUPPORT?))

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DIALOG(R)File 342:Derwent Patents Citation Indx  
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04500222 WPI Acc No: 01-615474/71

**Magnetic resonance scanning apparatus for medical surgery, has patient receiving gap between spaced ferromagnetic poles that are arranged within room having specific dimensions -**

Patent Assignee: (FONA-) FONAR CORP

Author (Inventor): DAMADIAN R V; DANBY G T; JACKSON J W; HSIEH H; MORRONE T  
; DAMADIAN T

Patent (basic)

Patent No	Kind Date	Examiner Field of Search
US 6288546	B1 010911 (BASIC)	324300; 324318; 324319; 324320; 324322
Derwent Week (Basic): 0171		
Priority Data: US 568920 (000511)		
Applications: US 568920 (000511)		
Derwent Class: S01; S03; S05; X12		
Int Pat Class: G01V-003/00		
Number of Patents: 001		
Number of Countries: 001		
Number of Cited Patents: 036		
Number of Cited Literature References: 001		
Number of Citing Patents: 000		

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DIALOG(R)File 342:Derwent Patents Citation Indx  
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04461578 WPI Acc No: 01-564017/63

**Surgical treatment performing method using NMR image scanning apparatus, involves placing two ferromagnetic poles opposing each other with a patient receiving gap in between and performing surgery to patient -**

Patent Assignee: (FONA-) FONAR CORP

Author (Inventor): DAMADIAN R V; DANBY G T; JACKSON J W; HSIEH H; MORRONE T  
; DAMADIAN T

Patent (basic)

Patent No	Kind Date	Examiner Field of Search
US 6225805	B1 010501 (BASIC)	324300; 324318; 324319; 324320; 324322; 600410; 600421; 600422
Derwent Week (Basic): 0163		
Priority Data: US 370973 (990809)		
Applications: US 370973 (990809)		
Derwent Class: S03; S05		
Int Pat Class: G01V-003/00		
Number of Patents: 001		
Number of Countries: 001		
Number of Cited Patents: 033		
Number of Cited Literature References: 001		
Number of Citing Patents: 000		

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DIALOG(R)File 342:Derwent Patents Citation Indx  
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04384018 WPI Acc No: 01-353114/37

**Magnetic resonance imaging method for imaging soft abnormal tissues such as tumor, involves positioning physician entirely within the magnetic frame,**

adjacent to gap, where patient is positioned -

Patent Assignee: (FONA-) FONAR CORP

Author (Inventor): DANBY G T; LINARDOS J; DAMADIAN J; DAMADIAN R V

Patent (basic)

Patent No	Kind Date	Examiner Field of Search
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US 6208145	B1 010327 (BASIC)	324307; 324309; 324318; 324319; 324320; 324322
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Derwent Week (Basic): 0137

Priority Data: US 477468 (000104)

Applications: US 477468 (000104)

Derwent Class: S01; S03; S05

Int Pat Class: G01V-003/00

Number of Patents: 001

Number of Countries: 001

Number of Cited Patents: 040

Number of Cited Literature References: 000

Number of Citing Patents: 000

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DIALOG(R)File 342:Derwent Patents Citation Indx

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04359978 WPI Acc No: 01-289436/30

**Magnet used in MRI apparatus, adapts source of magnetic flux, to direct flux via frame having working space along side of pole to accommodate physicians -**

Patent Assignee: (FONA-) FONAR CORP

Author (Inventor): DANBY G T; LINARDOS J; DAMADIAN J; DAMADIAN R V

Patent (basic)

Patent No	Kind Date	Examiner Field of Search
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US 6201394	B1 010313 (BASIC)	324300; 324318; 324319; 324320; 324322; 335216; 335296
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Derwent Week (Basic): 0130

Priority Data: US 975913 (971121)

Applications: US 975913 (971121)

Derwent Class: S01; S03; S05; X12

Int Pat Class: G01V-003/00

Number of Patents: 001

Number of Countries: 001

Number of Cited Patents: 040

Number of Cited Literature References: 000

Number of Citing Patents: 001

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DIALOG(R)File 342:Derwent Patents Citation Indx

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04303432 WPI Acc No: 00-491135/43

**Fitting gear for alignment of ferromagnetic plates for welding, includes tapered pin forced between U-shaped section of electromagnet and upper surface of one of the two plates -**

Patent Assignee: (HANN/) HANNAN D

Author (Inventor): HANNAN D

Patent (basic)

Patent No	Kind Date	Examiner Field of Search
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WO 200043158	A1 000727 (BASIC)	None
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Derwent Week (Basic): 0043

Priority Data: US 236382 (990125)

Applications: US 236382 (990125); AU 200032128 (000122); WO 2000US1607 (000122)

Designated States

(National): AE; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZA; ZW

(Regional): AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SL; SZ; TZ; UG; ZW

Derwent Class: P55

Int Pat Class: B23K-001/14; B23K-005/22; B23K-031/02

Number of Patents: 003

Number of Countries: 087

Number of Cited Patents: 030

Number of Cited Literature References: 000

Number of Citing Patents: 000

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